	Application No.	Applicant(s)	_
	10/643,961	FAN ET AL.	
Notice of Allowability	Examiner	Art Unit	_
	Stankan W. Smoot	2012	
	Stephen W. Smoot	2813	_
The MAILING DATE of this communication approached a series of the communication approached and the communication approached a series of the communication approached a series of the communication approached a series of the control of the contro	(OR REMAINS) CLOSED in ) or other appropriate commu IGHTS. This application is so	this application. If not included nication will be mailed in due course. THIS	Э
1. X This communication is responsive to applicant's amendment	ent filed on 15 July 2005.		
2. X The allowed claim(s) is/are 1-23 and 30-35.			
<ol> <li>Acknowledgment is made of a claim for foreign priority u</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> </ol>	nder 35 U.S.C. § 119(a)-(d) o	r (f).	
<ol> <li>Certified copies of the priority documents have</li> </ol>	e been received.		
2. Certified copies of the priority documents have	e been received in Application	n No	
<ol><li>Copies of the certified copies of the priority do</li></ol>	cuments have been received	in this national stage application from the	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			
5. X CORRECTED DRAWINGS ( as "replacement sheets") mu	st be submitted.		
(a) I including changes required by the Notice of Draftsper	son's Patent Drawing Review	( PTO-948) attached	
1)  hereto or 2)  to Paper No./Mail Date	<u>.</u>		
(b) $oxed{oxed}$ including changes required by the attached Examiner	's Amendment / Comment or	in the Office action of	
Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR teach sheet. Replacement sheet(s) should be labeled as such in the			
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT</li> </ol>			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 □ Notice of Inf	ormal Patent Application (PTO-152)	
<ol> <li>Notice of References Cited (F10-092)</li> <li>Dotice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>		mmary (PTO-413),	
	Paper No./I	Mail Date	
<ol> <li>Information Disclosure Statements (PTO-1449 or PTO/SB/ Paper No./Mail Date 7-15-05</li> </ol>	U8), 7. ⊠ Examiner's <i>i</i>	Amendment/Comment	
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's S	Statement of Reasons for Allowance	
<del></del>	9. 🗌 Other		
Host on	W. Smoot	Stephen W. Smoot Patent Examiner Art Unit 2813	

Application/Control Number: 10/643,961 Page 2

Art Unit: 2813

This Office action is in response to applicant's amendment filed on 15 July 2005.

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Christopher A. Bennett on 12 October 2005.

2. The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

Corrected drawings in compliance with 37 CFR 1.121(d), designating Figure 1 and Figure 2 with a legend such as --Prior Art--, must be submitted as "replacement sheets".

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

3. Claims 1-23, 30-35 are allowed.

Application/Control Number: 10/643,961 Page 3

Art Unit: 2813

4. The following is an examiner's statement of reasons for allowance: Claims 1-23, 30-35 are allowed because the prior art of record does not teach or suggest, in combination with the other claim limitations, a process for manufacturing an integrated circuit package that includes the step of placing one of a heat spreader and a substrate on a surface of a lower mold die and the step of releasably clamping the other of the heat spreader and the substrate such that it is in contact with an upper mold die, combined with the step of using a collapsible spacer to press the one of the heat spreader and the substrate against the surface of the lower mold die, wherein a molded package is formed having at least a portion of the substrate exposed and at least a portion of the heat spreader exposed prior to the step of singulating the molded package to form the integrated circuit package.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen W. Smoot whose telephone number is 571-272-1698. The examiner can normally be reached on M-F (8:00 am to 4:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr. can be reached on 571-272-1702. The fax phone

Application/Control Number: 10/643,961

Art Unit: 2813

number for the organization where this application or proceeding is assigned is 571-273-8300.

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

sws